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# *1999 Kentucky Magnetic Resonance Imaging Services Report*

*January 1 through December 31, 1999*

*Published August 2000*

Health Policy Development Branch  
Division of Epidemiology and Health Planning  
Department for Public Health  
Cabinet for Health Services

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# 1999 KENTUCKY MAGNETIC RESONANCE IMAGING SERVICES REPORT

## INTRODUCTION

The Health Policy Development Branch of the Division of Epidemiology and Health Planning announces the release of the *1999 Kentucky Magnetic Resonance Imaging Services Report*. This data collection and reporting is required by 902 KAR 20:008.

This report covers the period January 1, 1999 through December 31, 1999. It includes MRI procedure utilization for all licensed MRI units operating in Kentucky that are compliant with the Kentucky licensing and regulation reporting requirements.

Questions or comments should be directed to the Health Policy Development Branch at (502) 564-9592.

The *1999 Kentucky Magnetic Resonance Imaging Services Report* now becomes the official record of MRI utilization data published by the Cabinet for Health Services.

**Table 1: 1999 Kentucky MRI Procedures by Facility and Type of Procedure**

ADD	Service Type	MRI	Orbit, Face & Neck	Brain, Including Stem	Chest	Thoracic Spine	Lumbar Spine	Upper Extremity	Lower Extremity	Abdo- men	Myocar- dium	Cervical Spine	Total	Number of Units on Site
1	M	ALLIANCE IMAGING (formerly SMT)												
		MURRAY CALLOWAY COUNTY HOSPITAL	19	351	3	61	309	48	160	8	-	209	1,168	-
1	M	DIAGNOSTIC RADIOLOGY SYSTEMS												
		JACKSON PURCHASE MEDICAL CENTER	3	270	-	15	172	46	117	4	-	92	719	-
		MARSHALL COUNTY HOSPITAL	-	18	-	8	23	5	4	1	-	13	72	-
		PARKWAY REGIONAL HOSPITAL	-	31	-	3	22	3	11	-	-	18	88	-
		DIAGNOSTIC RADIOLOGY SYSTEMS TOTAL	3	319	-	26	217	54	132	5	-	123	879	-
1	F	PADUCAH MAGNETIC RESONANCE IMAGING	95	1,038	1	159	1,305	230	608	8	1	845	4,290	2
		ADD 1 TOTAL	117	1,708	4	246	1,831	332	900	21	1	1,177	6,337	2
2	M	DIAGNOSTIC RADIOLOGY SYSTEMS												
		CRITTENDEN COUNTY HOSPITAL	2	73	-	18	109	12	35	-	-	47	296	-
		LIVINGSTON HOSP AND HEALTHCARE SVCS INC	4	48	-	8	63	9	24	-	-	43	199	-
		DIAGNOSTIC RADIOLOGY SYSTEMS TOTAL	6	121	-	26	172	21	59	-	-	90	495	-
2	M	PENNYRILE/AUDUBON MOBILE HEALTH SVCS												
		JENNIE STUART MEDICAL CENTER INC	76	448	-	38	274	52	128	-	-	102	1,118	-
2	M	MID-AMERICAN IMAGING												
		MUHLNBERG COMMUNITY HOSPITAL	1	108	1	4	101	12	66	5	-	46	344	-
2	M	PENNYRILE/AUDUBON MOBILE HEALTH SVCS												
		TROVER CLINIC	-	11	-	4	55	20	50	-	-	30	170	-
2	H	REGIONAL MEDICAL CTR OF HOPKINS CO	13	875	5	163	788	148	467	195	-	309	2,963	1
		ADD 2 TOTAL	96	1,563	6	235	1,390	253	770	200	-	577	5,090	1
3	H	OWENSBORO MERCY HEALTH SYSTEM/PARRISH CAMPUS	133	1,389	17	139	854	147	345	78	13	487	3,602	1
3	M	PENNYRILE/AUDUBON MOBILE HEALTH SVCS												
		METHODIST HOSPITAL	152	568	3	64	437	94	191	12	1	254	1,776	-
		ADD 3 TOTAL	285	1,957	20	203	1,291	241	536	90	14	741	5,378	1
4	M	DIAGNOSTIC RADIOLOGY SYSTEMS												
		LOGAN MEMORIAL HOSPITAL	3	49	-	4	76	35	46	1	-	51	265	-
4	H	GREENVIEW REGIONAL HOSPITAL	15	353	1	28	180	50	83	12	-	111	833	1
4	H	THE MEDICAL CENTERS AT BOWLING GREEN AND SCOTTSVILLE	245	1,154	12	95	597	108	233	38	-	375	2,857	1

F = Fixed-Site Scanner

H = Hospital-Based Scanner

M = Mobile Scanner

\* See Notes on Page 4



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ADD	Service Type	MRI	Orbit, Face & Neck	Brain, Including Stem	Chest	Thoracic Spine	Lumbar Spine	Upper Extremity	Lower Extremity	Abdo- men	Myocar- dium	Cervical Spine	Total	Number of Units on Site
		<b>ADD 4 TOTAL</b>	<b>263</b>	<b>1,556</b>	<b>13</b>	<b>127</b>	<b>853</b>	<b>193</b>	<b>362</b>	<b>51</b>	<b>-</b>	<b>537</b>	<b>3,955</b>	<b>2</b>
5	M	<b>DIAGNOSTIC RADIOLOGY SYSTEMS</b>												
		BRECKINRIDGE MEMORIAL HOSPITAL	2	20	-	4	41	6	16	2	-	12	103	-
		SPRING VIEW HOSPITAL	9	111	-	19	157	91	90	1	-	61	539	-
		FLAGET MEMORIAL HOSPITAL	-	77	-	7	159	43	83	-	-	59	428	-
		TWIN LAKES REGIONAL MEDICAL CTR	6	95	-	19	107	22	37	1	-	72	359	-
		<b>DIAGNOSTIC RADIOLOGY SYSTEMS TOTAL</b>	<b>17</b>	<b>303</b>	<b>-</b>	<b>49</b>	<b>464</b>	<b>162</b>	<b>226</b>	<b>4</b>	<b>-</b>	<b>204</b>	<b>1,429</b>	<b>-</b>
5	H	HARDIN MEMORIAL HOSPITAL	184	1,800	9	173	864	269	501	32	9	627	4,468	1
		<b>ADD 5 TOTAL</b>	<b>201</b>	<b>2,103</b>	<b>9</b>	<b>222</b>	<b>1,328</b>	<b>431</b>	<b>727</b>	<b>36</b>	<b>9</b>	<b>831</b>	<b>5,897</b>	<b>1</b>
6	M	<b>ALLIANCE IMAGING</b>												
		JEWISH HOSPITAL SHELBYVILLE	7	100	-	13	197	16	54	2	-	88	477	-
6	H	AUDUBON HOSPITAL	21	1,468	7	75	711	151	320	41	-	405	3,199	1
6	H	BAPTIST HOSPITAL EAST	49	2,517	22	225	1,130	249	590	159	2	662	5,605	2
6	H	CARITAS MEDICAL CENTER	13	987	11	113	785	285	742	17	-	391	3,344	1
6	H	SUBURBAN HOSPITAL	31	1,046	3	100	549	124	202	50	-	277	2,382	1
6	H	UNIVERSITY OF LOUISVILLE HOSPITAL	121	1,607	-	154	465	55	168	78	10	354	3,012	1
6	H	VENCOR HOSPITAL-LOUISVILLE	-	102	-	8	129	23	59	-	-	70	391	1
		<b>MAGNETIC RESONANCE IMAGING CENTER</b>												
6	F	(serving Jewish Hospital and Norton Healthcare)	103	3,472	57	324	1,620	607	1,017	251	11	986	8,448	4
		MRI KOSAIR CENTER	42	1,232	36	94	445	35	234	22	2	229	2,371	-
		MRI OPEN CENTER AMP	10	369	2	40	397	98	196	7	-	218	1,337	-
		<b>ADD 6 TOTAL</b>	<b>397</b>	<b>12,900</b>	<b>138</b>	<b>1,146</b>	<b>6,428</b>	<b>1,643</b>	<b>3,582</b>	<b>627</b>	<b>25</b>	<b>3,680</b>	<b>30,566</b>	<b>11</b>
7	F	KENTUCKY DIAGNOSTIC CENTER	16	2,788	34	261	2,768	694	1,678	258	5	1,249	9,751	3
		<b>ADD 7 TOTAL</b>	<b>16</b>	<b>2,788</b>	<b>34</b>	<b>261</b>	<b>2,768</b>	<b>694</b>	<b>1,678</b>	<b>258</b>	<b>5</b>	<b>1,249</b>	<b>9,751</b>	<b>3</b>
8	M	<b>DIAGNOSTIC RADIOLOGY SYSTEMS</b>												
		FLEMING COUNTY HOSPITAL	1	24	-	2	28	5	6	-	-	12	78	-
		<b>ADD 8 TOTAL</b>	<b>1</b>	<b>24</b>	<b>-</b>	<b>2</b>	<b>28</b>	<b>5</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>78</b>	<b>-</b>
9	H	ST CLAIRE MEDICAL CENTER	7	409	-	36	404	18	102	-	-	182	1,158	1
		<b>ADD 9 TOTAL</b>	<b>7</b>	<b>409</b>	<b>-</b>	<b>36</b>	<b>404</b>	<b>18</b>	<b>102</b>	<b>-</b>	<b>-</b>	<b>182</b>	<b>1,158</b>	<b>1</b>
10	H	OUR LADY OF BELLEFONTE HOSPITAL	20	1,050	2	111	843	156	211	52	-	586	3,031	1

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\* See Notes on Page 4

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ADD	Service Type	MRI	Orbit, Face & Neck	Brain, Including Stem Chest	Thoracic Spine	Lumbar Spine	Upper Extremity	Lower Extremity	Abdo- men	Myocar- dium	Cervical Spine	Total	Number of Units on Site
10	M	<b>ALLIANCE IMAGING (formerly SMT)</b>											
		THREE RIVERS MEDICAL CENTER	84	97	2	63	97	21	69	2	-	435	-
10	F	TRI STATE DIAGNOSTIC CENTER	58	1,928	8	482	1,340	244	395	50	-	5,330	2
		<b>ADD 10 TOTAL</b>	<b>162</b>	<b>3,075</b>	<b>12</b>	<b>656</b>	<b>2,280</b>	<b>421</b>	<b>675</b>	<b>104</b>	<b>-</b>	<b>8,796</b>	<b>3</b>
11	M	<b>APPALACHIAN REG HEALTHCARE MOBILE MRI SERVICE</b>											
		WILLIAMSON ARH HOSPITAL	1	132	-	2	73	5	49	1	-	288	-
11	M	<b>DIAGNOSTIC RADIOLOGY SYSTEMS</b>											
		PAUL B HALL REGIONAL MEDICAL CENTER	23	296	2	37	572	50	167	13	-	1,434	-
11	H	HIGHLANDS REGIONAL MEDICAL CTR	38	404	1	47	439	69	169	1	-	1,352	1
11	H	PIKEVILLE METHODIST HOSPITAL	47	1,184	9	181	1,327	177	817	12	-	4,399	2
		<b>ADD 11 TOTAL</b>	<b>109</b>	<b>2,016</b>	<b>12</b>	<b>267</b>	<b>2,411</b>	<b>301</b>	<b>1,202</b>	<b>27</b>	<b>-</b>	<b>7,473</b>	<b>3</b>
12	M	<b>APPALACHIAN REG HEALTHCARE MOBILE MRI SERVICE</b>											
		HAZARD ARH REGIONAL MEDICAL CENTER	16	358	-	57	382	70	118	19	-	1,196	-
		WHITESBURG ARH HOSPITAL	9	131	-	18	219	48	94	-	-	619	-
		<b>APPALACHIAN REG HEALTHCARE MOBILE MRI SERVICE TOTAL</b>	<b>25</b>	<b>489</b>	<b>-</b>	<b>75</b>	<b>601</b>	<b>118</b>	<b>212</b>	<b>19</b>	<b>-</b>	<b>1,815</b>	<b>-</b>
12	M	<b>ALLIANCE IMAGING, INC</b>											
		KENTUCKY RIVER MEDICAL CENTER	9	89	1	16	-	64	127	3	-	397	-
		<b>ADD 12 TOTAL</b>	<b>34</b>	<b>578</b>	<b>1</b>	<b>91</b>	<b>601</b>	<b>182</b>	<b>339</b>	<b>22</b>	<b>-</b>	<b>2,212</b>	<b>-</b>
13	M	<b>APPALACHIAN REG HEALTHCARE MOBILE MRI SERVICE</b>											
		HARLAN ARH HOSPITAL	13	128	3	13	155	37	73	15	-	475	-
		MIDDLESBORO ARH HOSPITAL	6	130	-	31	265	37	89	3	2	647	-
		<b>APPALACHIAN REG HEALTHCARE MOBILE MRI SERVICE TOTAL</b>	<b>19</b>	<b>258</b>	<b>3</b>	<b>44</b>	<b>420</b>	<b>74</b>	<b>162</b>	<b>18</b>	<b>2</b>	<b>1,122</b>	<b>-</b>
13	H	BAPTIST REGIONAL MEDICAL CENTER	37	587	-	86	891	67	147	-	-	2,238	1
13	H	MARYMOUNT HOSPITAL	12	182	1	28	208	72	137	1	-	753	1
13	F	SOUTHEASTERN KY DIAGNOSTIC CENTER	22	602	-	86	902	66	151	-	-	2,251	1
		<b>ADD 13 TOTAL</b>	<b>90</b>	<b>1,629</b>	<b>4</b>	<b>244</b>	<b>2,421</b>	<b>279</b>	<b>597</b>	<b>19</b>	<b>2</b>	<b>6,364</b>	<b>3</b>

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**Table 1: 1999 Kentucky MRI Procedures by Facility and Type of Procedure**

ADD	Service Type	MRI	Orbit, Face & Neck	Brain, Including Stem	Chest	Thoracic Spine	Lumbar Spine	Upper Extremity	Lower Extremity	Abdomen	Myocardium	Cervical Spine	Total	Number of Units on Site
14	H	LAKE CUMBERLAND REGIONAL HOSPITAL	128	1,003	-	105	893	76	153	3	-	376	2,737	1
		<b>ADD 14 TOTAL</b>	<b>128</b>	<b>1,003</b>	<b>-</b>	<b>105</b>	<b>893</b>	<b>76</b>	<b>153</b>	<b>3</b>	<b>-</b>	<b>376</b>	<b>2,737</b>	<b>1</b>
15	H	CENTRAL BAPTIST HOSPITAL	29	801	23	88	318	72	85	46	-	243	1,705	1
15	H	CLARK REGIONAL MEDICAL CENTER	3	84	-	16	153	18	54	4	-	80	412	1
15	M	<b>DIAGNOSTIC RADIOLOGY SYSTEMS</b>												
		BOURBON COMMUNITY HOSPITAL	2	109	-	9	92	25	50	2	-	66	355	-
		GEORGETOWN COMMUNITY HOSPITAL	5	103	-	7	113	18	40	2	-	56	344	-
		<b>DIAGNOSTIC RADIOLOGY SYSTEMS TOTAL</b>	<b>7</b>	<b>212</b>	<b>-</b>	<b>16</b>	<b>205</b>	<b>43</b>	<b>90</b>	<b>4</b>	<b>-</b>	<b>122</b>	<b>699</b>	<b>-</b>
15	H	EPHRAIM MCDOWELL REG MEDICAL CTR	35	621	2	104	533	165	414	-	-	212	2,086	1
15	F	LEXINGTON DIAGNOSTIC CTR	135	1,643	33	327	2,574	913	983	37	-	1,471	8,116	3
15	F	MRI ASSOCIATES	9	1,518	21	304	2,511	744	798	41	-	1,424	7,370	2
15	H	ST JOSEPH HOSPITAL	26	884	14	112	338	45	146	39	-	174	1,778	1
15	H	UNIVERSITY OF KY HOSPITAL	180	3,571	19	183	1,103	112	333	72	-	542	6,115	2
		<b>ADD 15 TOTAL</b>	<b>424</b>	<b>9,334</b>	<b>112</b>	<b>1,150</b>	<b>7,735</b>	<b>2,112</b>	<b>2,903</b>	<b>243</b>	<b>-</b>	<b>4,268</b>	<b>28,281</b>	<b>11</b>
		<b>STATE TOTAL</b>	<b>2,330</b>	<b>42,643</b>	<b>365</b>	<b>4,991</b>	<b>32,662</b>	<b>7,181</b>	<b>14,532</b>	<b>1,701</b>	<b>56</b>	<b>17,624</b>	<b>124,073</b>	<b>43</b>

**NOTES:** \*Mobile units not included in count of total units on site.

\* Marymount Hospital initiated own MRI service 6-15-99

\*Alliance Imaging was formerly SMT Services

\*Blone Marrow Blood Supply anatomical site was omitted from this report due to zero utilization for that site statewide.

F = Fixed-Site Scanner

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\* See Notes on Page 4

**Table 2: 1999 Kentucky MRI Procedures by ADD Total and Percent**

ADD		1999 Procedures	Percent of Total	1998 Procedures	1997 Procedures	1996 Procedures
1	Purchase	6,337	5.1%	6,682	6,623	6,182
2	Pennyrile	5,090	4.1%	5,902	6,178	5,435
3	Green River	5,378	4.3%	2,629	2,343	2,416
4	Barren River	3,955	3.2%	3,600	4,133	4,461
5	Lincoln Trail	5,897	4.8%	3,163	2,966	3,092
6	Kentuckiana	30,566	24.6%	26,970	24,910	25,362
7	Northern Kentucky	9,751	7.9%	8,374	6,760	5,939
8	Buffalo Trace	78	0.1%	-	-	-
9	Gateway	1,158	0.9%	899	1,158	924
10	FIVCO	8,796	7.1%	8,368	6,506	6,757
11	Big Sandy	7,473	6.0%	5,189	4,177	3,591
12	Kentucky River	2,212	1.8%	2,668	2,881	2,826
13	Cumberland Valley	6,364	5.1%	2,340	2,169	2,080
14	Lake Cumberland	2,737	2.2%	1,289	1,934	1,394
15	Bluegrass	28,281	22.8%	22,261	21,003	23,385
<b>STATE TOTAL</b>		<b>124,073</b>	<b>100.0%</b>	<b>100,334</b>	<b>93,741</b>	<b>93,844</b>